

**Delaware Electric Cooperative**  
**Generator Interconnection Application – Short Form**  
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

**Section 1, Applicant Information Directly Interconnected to the Generating System**

Is the following system: ☐ Leased or ☒ Member Owned

Type of Application: ☐ Initial or ☐ Addition/Upgrade

Name: Matt & Lisa Morgan

Mailing Address: 23484 Sloan Rd.

City: Harbeson State: DE Zip Code: 19951

Email Address: mattm14383@gmail.com

Facility Location (if different from above): \_\_\_\_\_

Telephone: Area Code 302 Number 947-1792 (Evening) Area Code \_\_\_\_\_ Number \_\_\_\_\_

Delaware Electric Cooperative Account No.: 4473905 Rate Code: 1A1

**Section 2, Equipment Contractor**

Name: CNC Solar

Mailing Address: 323 B Rehoboth Ave.

City: Rehoboth Beach State: DE Zip Code: 19971

Email Address: sarah@cncsolar.com Telephone (Daytime): Area Code 302 Number 260-9245

**Section 3, General Service Requirements**

If different from the existing service, what size service will the generation facility require?

☐ 200A ☐ 400A ☐ 600A ☐ 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

☒ 120/240V-1Ph ☐ 120/208V-1Ph ☐ 120/208V-3Ph ☐ 277/480V-3Ph

**Section 4, Application Fee**

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be \$50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be \$50.00 plus \$1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

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**Section 5, Generator Type**

Is Generator powered from a Renewable Energy Source: ☒ Yes      No ☐

Type of Energy Source (if applicable): ☒ Solar      ☐ Wind      ☐ Other \_\_\_\_\_

Other generator energy source: ☐ Diesel      ☐ Natural Gas      ☐ Fuel Oil      Other: \_\_\_\_\_

Will excess power be exported to Delaware Electric Cooperative? ☐ Yes      No ☒

(Typical) Maximum Export: \_\_\_\_\_ kW DC/AC

2 Yr. Avg. Annual Usage (kWh): \_\_\_\_\_ Forecast Annual kWh: 37.88 kWh

(Note: The Annual Forecast MUST be completed using **4.5 peak sun light hours per days**)

**Section 5, Generator Technical Information**

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Panasonic 330  
(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)

Inverter Manufacturer, Model Name & Number (if used): Solar Edge SE10000A-US (3)  
(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)

**Initial Rating:**

DC System Design Capacity: 30.36 (kW) 91.5 (kVA)

Inverter Capacity: 30 (Maximum AC kW)

AC System Design Capacity: 30 (kW) 126 (kVA)

**Added Rating:**

DC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

Inverter Capacity: \_\_\_\_\_ (Maximum AC kW)

AC System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

**Total Rating (Existing and New):**

DC System Design Capacity: 30.36 (kW) 91.5 (kVA)

Inverter Capacity: 30 (Maximum AC kW)

AC System Design Capacity: 30 (kW) 126 (kVA)

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**Generator Disconnect Switch:**

A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

**Section 6, Generator/Equipment Certification**

Generating systems that utilize inverter technology must be compliant with *IEEE 929* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): \_\_\_\_\_ Date: \_\_\_\_\_

Signed (Applicant): \_\_\_\_\_

**Section 7, Aggregated Meter Information (If Applicable)**

The following aggregated accounts shall be ranked according to the order in which credits shall be applied (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name Matt + Lisa Morgan Rate Code: 1E1

DEC Account No.: 10438003 Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

2 - DEC Member Name Matt + Lisa Morgan Rate Code: 4G1

DEC Account No.: 108166002 Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

3 - DEC Member Name Matt + Lisa Morgan Rate Code: ADR

DEC Account No.: 4473905 Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

4 - DEC Member Name \_\_\_\_\_ Rate Code: \_\_\_\_\_

DEC Account No.: \_\_\_\_\_ Capacity (DEC): \_\_\_\_\_ 2 Yr Annual Average kWh: \_\_\_\_\_

Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.

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**Section 9. Installation Details**

Generating System will be installed by: ☐ Owner ☒ State Licensed Electrician

Installing Electrician: Jim Murphy Firm: Murphy Elec Inc. License No: TI-0004277

Mailing Address: 30731 Sassafos Drive

City: Lanes State: DE Zip Code: 19958

Telephone with Area Code: 302-1040-0404

Installation Date: \_\_\_\_\_ Interconnection Date: \_\_\_\_\_

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of \_\_\_\_\_

Signed (Inspector): \_\_\_\_\_ Date: \_\_\_\_\_  
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

**Section 10. Applicant Signature**

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

Name of Applicant (Printed): MATTHEW MORGAN Date: 12/14/17

Signature of Applicant: Matthew Morgan

**Section 11. FINAL Approval or Non-Approval**

Delaware Electric Cooperative ☒ Has Approved ☐ Has Not Approved this Interconnection Application.

Name: LPGIII Date: 1/1/18

Signature: L. Paul Greenlee III  
Digitally signed by L. Paul Greenlee III  
DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop,  
Inc., ou, email=pgreenlee@decoop.com, c=US  
Date: 2018.01.01 10:15:42 -0500

Reason of Not Approving: \_\_\_\_\_

Approval to connect to the Company system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.